

Date: Mon, 18 Jul 94 00:08:16 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #805  
To: Info-Hams

## Today's Topics:

\*finally it arrived\* (but why no plus?)  
ARLP028 Propagation de KT7H  
Arrived 7/16/94..  
Can you identify this call sign? - 'NMN'  
Experience with R7  
FCC Delays now at 17 weeks! PLEASE READ!!! (2 msgs)  
Gracilis Inc. e-mail address?  
How do you police hams? (2 msgs)  
Letter to Washington about FCC delays  
License Recieved!!  
Motorola MX360 Programming Help Please!  
Packet Radio Information  
RF ANALIST info

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 17 Jul 1994 17:39:23 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!  
uhog.mit.edu!nntp.club.cc.cmu.edu!usenet@network.ucsd.edu  
Subject: \*finally it arrived\* (but why no plus?)  
To: info-hams@ucsd.edu

In article <H.eg.0U7\_ULhYMq6@harvee.billerica.ma.us>  
esj@harvee.billerica.ma.us (Eric S Johansson) writes:

> well, my long awaited renewal arrived today. I'm legal until 7-7-04. however

> since I'm one of those techs that took 5wpm \*and\* the complete general theory  
> to get my ticket, I would have expected something a little different on  
> my ticket like a tech+ perhaps. should I try again with a new 610 and  
> a nice letter?

Nope. Your ticket won't look any different. What you need to do is hang on to your copy of the CSCE (Certificate of Successful Completion of Examination) which shows that you completed the code test. That form is what proves the difference between a no-code tech license and your tech+.

-- Jeffrey Hutzelman (N3NHS) <jhutz+@cmu.edu>

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Date: Sat, 16 Jul 1994 22:08:20 EDT  
From: psinntp!arrl.org!usenet@uunet.uu.net  
Subject: ARLP028 Propagation de KT7H  
To: info-hams@ucsd.edu

SB PROP @ ARL \$ARLP028  
ARLP028 Propagation de KT7H

ZCZC AP42  
QST de W1AW  
Propagation Forecast Bulletin 28 ARLP028

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Date: 17 Jul 1994 11:22:38 -0700  
From: elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!  
news.claremont.edu!kaiwan.com!not-for-mail@ames.arpa  
Subject: Arrived 7/16/94..  
To: info-hams@ucsd.edu

After a grueling 15 weeks and 6 days, my ticket finally came in the mail. Took the test on March 27th. License effective date says 07/07/94. Took over a week to get it.

asandor@kaiwan.com - KE6IHX  
--  
asandor@kaiwan.com - KE6IHX

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Date: 18 Jul 1994 02:15:10 -0000

From: olivea!charnel.ecst.csuchico.edu!psgrain!nntp.cs.ubc.ca!torn!uunet.ca!  
uunet.ca!io.org!nobody@ames.arpa  
Subject: Can you identify this call sign? - 'NMN'  
To: info-hams@ucsd.edu

This morning at around 3:00 a.m. e.d.t, I heard on 12.71xx MHZ:

cq cq cq de nmn nmn nmn qru? k

Any idea of who/what 'nmn' is? .. or where I could find out?

I tried the callsign server at electra.cs.buffalo.edu, but got  
'no references'.

Mike

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Mike Stramba      Email: mike@io.org  
Toronto, Canada      Internex Online - Toronto, Canada (416) 363-3783

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Date: 17 Jul 1994 01:43:16 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!newsserver.jvnc.net!  
raffles.technet.sg!solomon.technet.sg!nunas@network.ucsd.edu  
Subject: Experience with R7  
To: info-hams@ucsd.edu

Paul S. George (psgeorge@infonet.com) wrote:

: Could anyone tell me what kind of symptoms you would see with a "blown"  
: trap?

Why do you think you have a blown trap? Is there some physical evidence  
that you can see?

I have one that is acting a little strange right now (basically,  
: a lack of reception across the bands... the radio is fine).

Lack of reception could come from any point after the rig. The usual  
problem is a short from braid to centre on the coax. To test to the base  
of the antenna, remove the coax pl259 from the base of the antenna and  
put a dummy load there. Try to load that. Better still is a watt meter  
with dummy load put at the same place. Note that the reading is  
"reasonable (there should be little loss in a coax at 3 MHz and a bit  
more at 28, but if you see lots of loss you have a problem.

What do you mean by lack of reception? A blown trap would screw up the

loading of the antenna, but you should still hear something on most bands.

I put an ohm meter across the coax feed line from the antennae (disconnected from the radio, of course) and it appears to be a short. I wouldn't have thought that it should look like this.

This is normal. The R7 is an electrical half-wave antenna. As such, it exhibits a very high impedance at the base. Your rig and coax match 50 ohms. So, the antenna designer (a friend of a friend of mine) put a box at the base with two torroids inside. This is a network to change the impedance of the antenna to something that the rig can handle - abt 50 ohms. This matching network appears as a DC short (ie DC, not RF at the freqs the antenna works on). This makes the R7 (and the sister R5) a "grounded" antenna. This is what gives the "short" with your VOM.

However, I'm not sure what the traps will do. I thought that they were supposed to "trap" electrically the length of the antennae at the given frequencies.

Yes, that is correct. The traps are resonant circuits composed of a coil of wire (under the black heat-shrink) and a capacitor (those funny little tubes on the side of the radiator). This is a parallel resonant circuit (aka "trap"). The antenna uses the bottom portion of the antenna on the highest band, the bottom portion plus the part between the first two traps (both part of TV1 since there is so little difference between 10 and 12 meters). And so no, up the antenna/down the bands.

With an ohm meter which uses a DC voltage, would the antennae appear as a short to ground?

As I said above, Yes.

So, what can go wrong with an R7 (or R5)? Well, if you took a lightning hit, you would see parts of the antenna here and there. The black box is usually the first to go. BUT, you do not have to get a direct hit to blow that box! if the lightning passes near the antenna, it can "ring" the antenna on its various resonant frequencies. This ringing can look to the antenna as if a BIG transmitter were supplying RF!

What happens is damage to the matching network (sometimes the whole thing gets blown to smithereens) And, the coils on the traps can vaporize. Also, arcing from the centre to the outside of the capacitors can blow a hole or carbon track the dielectric (the capacitors are made of a rod covered with insulation over which there is a tube. The traps are tuned at the factory to resonance by adjusting the amount of overlap between the rod and the tube). PS, don't screw with these as you will never get them right). In extreme cases, the arc can blow a hole in the tube (looks

like a bullet went from the inside of the tube to the outside, usually towards the main antenna tubeing). Yes, I have had experience with damage due to lightning on these antennas 8-(

So, you did not mention any physical damage to the antenna due to lightning. You could have damaged it if you put too much RF into it esp key-down like on rtty (do you have a mexican kilowat amp?). That sort of damage might not show up outside the matching box.

So, bottom line . . .

First, put the dummy load/wattmeter on the end of the feeder in place of the antenna. If i were a betting man, I'd go for a sizeable wager in this one).

If the feeder is OK (RF gets through and/or the rig loads normally into the dummy but not the antenna), then take the four screws off the matching box at the base of the R&. You should see two torroids and a couple of other bits (all nice and clean). Look for a failure of the RFC (looks like a big resistor) or a broken wire. at any point. There should be no scorching anywhere.

: THanks for any information!

You are entirely welcome. Next time you are in Singapore you buy the beer.

; ->

73 Maurice, 9V1ZS

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Date: 17 Jul 1994 07:01:59 -0700

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!ntp-server.caltech.edu!news.claremont.edu!kaiwan.com!not-for-mail@network.ucsd.edu

Subject: FCC Delays now at 17 weeks! PLEASE READ!!!

To: info-hams@ucsd.edu

Joe Salemi (jsalemi@doghouse.win.net) wrote:

:

: In article <1994Jul13.214528.24601@ccd.harris.com>, Bruce Lifter  
(bal@ccd.harris.com) writes:

: >Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:

: >

: >: He also said that the FCC is receiving upwards of 50 calls a DAY! And that  
: >: in the time it takes to receive a phone call, TWO licenses could be proces-  
: >: sed! The backlog is now at 15,000 Form 610s!!!

: >

: >They seem to be getting more behind each week!  
: >  
:  
: Well, recent reports on Compuserve have shown that folks who took their  
: tests in mid-April are starting to receive their licenses. That's  
: about 12 weeks, give or take, so maybe the logjam is finally breaking.  
:  
: 73...joe  
:  
:  
: -----  
: Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net  
: Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

I teach a monthly no-code license class and my March class just got their licenses. The wait: 14 weeks 3 days.

\*\*\*\*\*  
Bob Novak, K00K  
Internet: bnovak@kaiwan.com

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Date: Sat, 16 Jul 1994 17:46:04 GMT  
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!caen!malgudi.oar.net!witch!doghouse!jsalemi@ames.arpa  
Subject: FCC Delays now at 17 weeks! PLEASE READ!!!  
To: info-hams@ucsd.edu

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(bal@ccd.harris.com) writes:  
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Well, recent reports on Compuserve have shown that folks who took their tests in mid-April are starting to receive their licenses. That's about 12 weeks, give or take, so maybe the logjam is finally breaking.

73...joe

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Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net  
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

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Date: Mon, 18 Jul 94 02:20:30 -0500  
From: news.delphi.com!usenet@uunet.uu.net  
Subject: Gracilis Inc. e-mail address?  
To: info-hams@ucsd.edu

Can anyone give me the e-mail address for Gracilis Inc. I have tried info@gracilis.com but I get a "return-to-sender" response. Do they have a BBS or another access location other than Internet? Any info would be helpful.

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Greg - KA4IWU

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Date: Sun, 17 Jul 1994 14:02:09 GMT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!nshore!  
fmsystm.telemex.com!fmsys!macy@network.ucsd.edu  
Subject: How do you police hams?  
To: info-hams@ucsd.edu

In article <shopsonCszpr2.6Bt@netcom.com> shopson@netcom.com (Scott Hopson) writes:  
>How does the service police itself?  
>  
>I recently tuned into a local repeater to hear an exchange of continued  
>profanity, attempts to jam signals, music being played over conversations,  
>28 WPM code practice, and more by a young kid, some drunk adults, and  
>one pot smoking stoner. This all occurred within a 1/2 hour period. The  
>offenders even gave their call signs. How do you get these people to  
>cease, who has legal authority to enforce laws pertaining to these  
>things?

Well, this isn't the way its supposed to be done, but what's worked here is to tape it right off the air and also log/document it in writing.

Send copies to the repeater trustees and offenders, with a letter of protest, indicating copies can and will be furnished to the FCC. Enclose actual copies of the pertinent FCC regulations involved. Be courteous, but firm.

Aside from stating regs were violated, and the FCC is into large fines these days, you might make the point that non hams are listening and this gives the hobby and service a bad name, and may lead to the eventual loss of more of our bands.

In short, you have to do all the homework, and show it.

I'd hate to say you should send this anonymously, to avoid harrassment, but that what some have done, and its had an effect when done properly.

Even this hobby has its foolish and immature participants. At least the spirit of courteous self enforcement continues to exist, although I'm no fan of some of the armchair lawyers I have encountered in these matters.

--

Macy M. Hallock, Jr. N80BG +1.216.723.3030 macy@telemax.com macy@fms.com  
Telemax, Inc. - F M Systems, Inc. 152 Highland Drive Medina, OH 44256 USA

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Date: Sun, 17 Jul 1994 04:15:21 GMT  
From: netcomsv!netcom.com!shopson@decwrl.dec.com  
Subject: How do you police hams?  
To: info-hams@ucsd.edu

David Feldman (dgf@netcom.com) wrote:  
:In article <shopsonCszpr2.6Bt@netcom.com> shopson@netcom.com (Scott Hopson)  
writes:  
:>I recently tuned into a local repeater to hear an exchange of continued  
:Let me guess: 147.435?

I think that was the freq...

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o\_/  
\_/\_/  
\_\_\_/\_\\_\_

Cowabunga, dude.....

shopson@netcom.com

Scott Hopson  
Costa Mesa, Ca.

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Date: Sun, 17 Jul 1994 16:29:30 GMT  
From: tyrell.net!matthews@uunet.uu.net  
Subject: Letter to Washington about FCC delays  
To: info-hams@ucsd.edu

In article <2vur4r\$ko@transfer.stratus.com>,  
northup@abersoch.sw.stratus.com (Bill Northup) wrote:  
> Why do you feel that it is beaurocratic bungling, and which beaurocrats ?  
> When your Congressman cut the FCC budget something has to give.  
> The answer just might be "please include a \$105 processing fee", so they  
> can hire additional people to do the entry.

The answer might be outsourcing the license processing to a private  
company. Get it out from under folks who have no reason to think or do  
a good job.

+-----+-----+  
| Rick Matthews | <matthews@tyrell.net> | Finger or Key Server |  
| Baton Rouge, LA | | for PGP Public Key |  
+-----+-----+

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Date: 17 Jul 94 14:43:56 EST  
From: ccsua.ctstateu.edu!bourque\_par@yale.arpa  
Subject: License Recieved!!  
To: info-hams@ucsd.edu

Took Technician Test: April 10  
License Issued: July 8  
License Mailed: July 12  
Received in Mail: July 13.

Total Time: 13 Weeks, 4 Days.

73 de N1SFE!!

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\*-----\*  
\* Paul Bourque N1SFE | Host of \*  
\* Engineering Technician- WFCS Radio | "Nocturnal Emissions" \*  
\* 107.7fm, New Britain, CT | Friday mornings: 3-6AM \*  
\* 20 Gail Circle Newington, CT | on 91.3fm WWUH \*  
\* 06111 (203) 223-6767 | \*  
\* E-Mail: | \*  
\* BOURQUE\_PAR@CCSUA.CTSTATEU.EDU | \*  
\* PBOURQUE@NYX.CS.DU.EDU | \*  
\*-----\*

-----  
Date: Sun, 17 Jul 1994 23:17:21 +0000  
From: pipex!demon!cix.compulink.co.uk!dplumb@uunet.uu.net  
Subject: Motorola MX360 Programming Help Please!  
To: info-hams@ucsd.edu

I have recently acquired a Motorola MX360 txcvr on VHF high, 165/170Mhz.  
The full type number is "MX300-S/VHF". The model number is "MAH43SSUP9540AN".  
There is a small label inside with the channels programmed (1,2,4,8,9), and  
some details of selective calling fitted.

On taking the metal front off, there is a 7 way connector visible, which  
connects to a daughterboard with a large Motorola IC ZX82140CP (not shown in  
my issue of IC Master). On another daughterboard board below this, there is  
an IC MCM2802, which is in the IC Master, and is an EEPROM.

I would appreciate any information on the radio really, I'm totally in the  
dark at the moment, but especially if anyone knows how to easily reprogram  
the channels!

-----  
| Dave Plumb, Potters Bar, Herts, UK. | Internet: dplumb@cix.compulink.co.uk |  
+-----+-----+-----+  
| Fidonet : 2:252/21.27 | Packet : G7MIL @ GB7HSN.#32.GBR.EU |  
+-----+-----+-----+

-----  
Date: Sun, 17 Jul 1994 14:30:44  
From: nwnexus!olympus.net!olympus.net!vaughnwt@uunet.uu.net  
Subject: Packet Radio Information  
To: info-hams@ucsd.edu

>Excerpts from netnews.rec.radio.amateur.misc: 17-Jul-94 Packet Radio  
>Information by Jason C. Sokolosky@acs.u  
>> I am looking for information on Packet Radio. Does anyone know  
>> where I can find some??

Anonymous ftp @ ftp.hereford.ampr.org pub/hamradio/tapr/29 "Intro  
to packet radio" and it don't cost you nuthin.  
William Vaughn vaughnwt@olympus.net "Just plain Bill."

Date: 18 Jul 94 06:34:31 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: RF ANALIST info  
To: info-hams@ucsd.edu

I saw the article on RF ANALIST which can measure the SWR, impedance, reactance etc. I wish to purchase it for my antenna work. I had the following address but need the FAX number for quotation. Please send all information to me directly.

RF ANALISTtm(RF-1)  
Autek Research  
4143W. Waters Ave., #120 Tampa, FL 33614

Thanks in advance.

Tack Kumagai JE1CKA/KH0AM  
email: Tack <je1cka@nal.go.jp>

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Date: Sun, 17 Jul 1994 14:24:59  
From: nwnexus!olympus.net!olympus.net!vaughnwt@uunet.uu.net  
To: info-hams@ucsd.edu

References < CssM0y.995@sunsrvr6.cci.com >, < 306t3i\$kgt@vortex.eng.sc.rolm.com >, < Ct19p1.vo@world.std.com >  
Subject : Re: Is there an ATV newsgroup?

>Mont Pierce (montp@vortex.eng.sc.rolm.com) wrote:  
> In article < CssM0y.995@sunsrvr6.cci.com >, James D. Cronin < jdc@cci.com > wrote:  
> >  
> >How about it guys? We got rec.radio.amateur.everything-else...  
> >  
> >How about an ATV newsgroup? Any interest?  
> >  
> >73...Jim N2VNO  
> >  
> Definitely interested!! In the mean time, are there any atv mailing  
> lists?  
  
> tnx & 73  
> km6wt  
  
>Me, too ... great idea.

>-drt

>-----  
David R. Tucker KG2S 8P9CL drt@world.std.com

Sounds good to me too.

William Vaughn    [vaughnwt@olympus.net](mailto:vaughnwt@olympus.net) "Just plain Bill."

Date: (null)  
From: (null)

Date: Sun, 17 Jul 1994 21:38:54 GMT  
From: tyrell.net!matthews@uunet.uu.net  
To: info-hams@ucsd.edu

References <2vsh6m\$3q0@src-news.pa.dec.com>, <2vur4r\$ko@transfer.stratus.com>, <gnLAkCKySBY3068yn@tyrell.net>ú  
Subject : Re: Letter to Washington about FCC delays

In article <gnLAkCKySBY3068yn@tyrell.net>, matthews@tyrell.net (Rick Matthews) wrote:

>  
> The answer might be outsourcing the license processing to a provider  
> company. Get it out from under folks who have no reason to think of  
> a good job.

Like spelling "private"!

+-----+-----+-----+  
| Rick Matthews | <matthews@tyrell.net> | Finger or Key Server |  
| Baton Rouge, LA | | for PGP Public Key |  
+-----+-----+-----+

End of Info-Hams Digest V94 #805  
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